

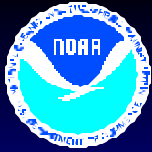


NDFD Product Access Plans

NWS Goes Digital

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Overview of Access Methods



- **Complete dataset in GRIB2 via FTP/HTTP**
- **Selected datasets via Web Services or Web APIs**
- **Graphical and text products and services on NWS websites**



GRIB2/FTP

- Complete datasets, by regional sectors
- Encoded in GRIB2
- Available via FTP and HTTP from NWS Telecommunications Gateway servers
- Updated hourly
- File names/details available at:
<http://www.nws.noaa.gov/ndfd/technical/technical.htm>



Web APIs



- Machine to machine queries to retrieve a “slice” of the database – specific locations and elements
- XML based queries, results in XML
- Uses W3C standard protocols and formats: UDDI, WSDL, SOAP, XML
- Currently in planning
- Experimental services available spring/summer



Graphical/Text Products



- Graphical and text products available from NWS websites
- National, sector and WFO graphics
- Text products formatted from digital data
- Some products will be GIS based



Summary



- **Multiple access methods**
- **Accessible as entire dataset**
- **Accessible in slices based on location and elements**
- **Web based graphical, text and GIS products and services**